

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date:	18.02.28	Job No.:	RD17-682-01	ADR Yes/No:	Y	ADR Date:	18.02.23	ECN #:	18- 526
Product No.:	D205-594	Created By:	CP	Approved By:					
Product Name:	Extended Height Crosstubes			Checked By:					

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	JLM	
Production Planning Man. / Prod. Planner	Y	LL / MLJ	
Supply Chain Director / Purchasing	Y	RA / CL	
Production Engineering Coord.	Y	DD / JFS	
NCR / PAR / CAR / CIR / URF Coordinator	Y	SAD	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	MD / ED	
QC Coordinator	Y	PD	
Customer Support	Y	SW/LM/JR	
Customer Technical Support	Y	MB / EL	
Marketing	Y	WR	
Prod. Man. Solution Provider	Y	SL / RB	

Reason for Change:

Increased GW on 412 EPI, introduce reinforced center support on 412 aft crosstube

Documents Affected:

IIN-D205-594 Rev. F
ICA-D205-594 Rev. 5
D412-596-203 Rev. C
D5380 Rev. C

IF APPLICABLE: NCR: _____ PAR: _____ CAR: _____ CIR: _____ URF: 14-644
16-643
PAPERWORK UPDATE ☒ PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	Y	CP	MDL-D205-594 Rev. O	
7	Update Document Record (DR)	N			
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	Y	CP	NAPA C-17-0584	
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		18.02.28
12	Update Product Specification Files (Bluefiles)	Y	KJ		18.02.28
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		18.02.28
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		18.02.28
17	Update / Verify Authorized Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	Y	KJ		18.02.28
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		18.02.28
20	Red Decals required on Packaging Process Plan (PPP)?	Y	KJ		18.02.28
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		18.02.28
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		18.02.28
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:

- D412-594-031/131 Extended Height Landing Gear Kits (412) are now compatible with the 12,200 lb gross weight of 412 EPI aircraft
- D412-596-203 has a new heavy duty center support similar to support on D412-664-403
- D412-594-031/131 @ CHG 003, D412-596-203 @ CHG 002
- D412-596-203 crosstubes in stock should be updated to CHG 002 (snap center supports)

ECN Verified & Complete: _____ Date: _____

Linda Lacelle

3 - cad
13 inc

From: Andrew Sheldon
Sent: Wednesday, March 7, 2018 3:54 PM
To: Linda Lacelle
Subject: Re: SS high gear

Andy - op?

Supports
D5380-1/-3

d412-596-203... 152056 and 152058

From before bleeex I don't think they have active work orders

From: Linda Lacelle
Sent: Wednesday, March 7, 2018 3:27:47 PM
To: Andrew Sheldon
Subject: SS high gear

Andy,
You said you had some SS high gear, I don't see these in wip...do you still have them pls?

Merci
L

5229
5220
6144
2534

D7743
D3490-1/-3
3500368

D2005-011
126465

D2005-011 -> D2005-011
D2003-013
570141
571-011

PO 10203

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <table> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Cross tube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>				Skid-tube <input type="checkbox"/>	Cross tube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
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Date : _____	Step #: _____	QTY Effective : _____	MRB (QSI042) Approval
Description Work Order Deviation		Disposition	Completed By
			Lead hand / Supervisor Approval Verification
			QC / QA Coordinator Approval

Root Cause <table> <tr> <td>Environment <input type="checkbox"/></td> <td>No Re-verification <input type="checkbox"/></td> <td>Pressure/Forced <input type="checkbox"/></td> </tr> <tr> <td>Design <input type="checkbox"/></td> <td>Operator <input type="checkbox"/></td> <td>Bending <input type="checkbox"/></td> </tr> <tr> <td>Doc/Data <input type="checkbox"/></td> <td>Offset/Setup <input type="checkbox"/></td> <td>Centre Not Concentric <input type="checkbox"/></td> </tr> <tr> <td>Equip/Tooling <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td>Cracks <input type="checkbox"/></td> </tr> <tr> <td>Handling/Pre <input type="checkbox"/></td> <td>Training <input type="checkbox"/></td> <td>Crimp/Kink/Ripple/Wave <input type="checkbox"/></td> </tr> <tr> <td>Material <input type="checkbox"/></td> <td>Use for Testing <input type="checkbox"/></td> <td>Cuffs <input type="checkbox"/></td> </tr> <tr> <td>Internal Transport <input type="checkbox"/></td> <td>Poor Information 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OTHER : _____																																																																							

Linda Lacelle

From: Andrew Sheldon
Sent: Thursday, June 21, 2018 6:07 AM
To: Linda Lacelle
Cc: Jesse White
Subject: Re: D412-596-203 from Intuitive

qc14, just need the supports

From: Linda Lacelle
Sent: Wednesday, June 20, 2018 3:00:24 PM
To: Andrew Sheldon
Cc: Jesse White
Subject: D412-596-203 from Intuitive

Aug 1

Andyyyyyyyyyyyyyyyyyy

At what operation are these at? We have one sold, so I'm FINALLY going to make the w/o's for you!

Thx
L